Application No. Applicant(s) Index of Claims 10/657,845 REINKING ET AL. Examiner Art Unit 1713 Caixia Lu (Through numeral) Rejected Non-Elected **Appeal** Cancelled N A 0 ÷ Allowed Restricted Interference Objected

| | | | | | | | _ | | | | | | | | | | _ | | | | | | | | | | | | | | | |
|--------------|----------|----------------|--------------|----------|----------|--------------|--|--|-----------------|--------------|----------|----------|----------|-----------|----------|----------|--------------|---------|--------|--------------|-----|----------|------------|----------|-----------------|----------------|----------|----------|----------|----------|----------|---|
| Claim Date | | | | | | | | CI | Claim Date | | | | | | | | | Cla | Date | | | | | | | _ | | | | | | |
| Final | Original | 20-05 | | | | | | | | | Final | Original | | | | | | | | | | Final | Original | | | | | | | | | |
| <u> </u> | | V | - | ╁ | ┢ | ╁ | | | H | H | - | 51 | + | \dashv | ┰ | + | + | + | + | + | | | 101 | H | Н | \vdash | | _ | | ᅱ | \dashv | _ |
| ├─ | 2 | | ┢╌ | \vdash | ┢ | ╁ | | | Н | \dashv | <u> </u> | 52 | ╁╴ | \vdash | ┰ | + | + | + | + | + | | | 102 | \vdash | Н | - | - | - | | \dashv | \dashv | _ |
| | 3 | H | T | | | t | ļ | r | ┢ | \neg | | 53 | \vdash | \Box | _ | \top | \dashv | \top | au | H | | | 103 | | H | \vdash | | - | | - | | _ |
| | 4 | | Ī., | | | | | | | | | 54 | | | 寸 | \top | 7 | 1 | 十 | П | | | 104 | | П | П | | | | | | _ |
| | 5 | П | | | | | | | | | | 55 | | | | | | | | | | | 105 | | | | | | | | | |
| | 6 | Ц | | | _ | <u> </u> | | <u> </u> | | Ц | | 56 | | Ш | _ | _ | | \perp | | | | | 106 | | | | | | | | | _ |
| | 7 | \sqcup | <u> </u> | 1 | | _ | <u> </u> | <u> </u> | | 4 | | 57 | <u> </u> | \sqcup | _ | 4 | - | 4- | \bot | Ш | | | 107 | <u> </u> | | | | | | | _ | |
| <u> </u> | 8 | Н | ⊢ | ⊢ | ⊢ | ┼ | ├ | - | \vdash | | | 58 | \vdash | Н | | | + | - | +- | \dashv | | | 108 | | Н | | | _ | | | 4 | _ |
| | 10 | H | - | ┢ | - | }- | ┢ | ╁ | - | \dashv | - | 59 60 | + | \vdash | \dashv | + | + | ╬ | + | + | | | 109 110 | _ | Н | \vdash | | | Н | \dashv | \dashv | |
| | 11 | Н | ┢ | ╁╌ | - | | ┢ | ┢ | H | \dashv | - | 61 | ├ | \vdash | - | \dashv | + | + | ╁ | + | | | 111 | | Н | \vdash | | - | \vdash | - | - | _ |
| <u> </u> | 12 | \forall | H | \vdash | | \vdash | H | H | | \dashv | | 62 | 1- | \forall | \dashv | + | 十 | + | + | \forall | | _ | 112 | _ | Н | \vdash | | | \vdash | \dashv | \neg | |
| | 13 | $ \uparrow $ | Г | \vdash | \vdash | | T | T | Н | \neg | | 63 | | H | \dashv | \dashv | 十 | 十 | \top | H | | | 113 | _ | Н | Н | | \neg | Н | \dashv | | |
| | 14 | | | | | L | | | | | | 64 | | | | | 丁 | | | | | | 114 | | | | | | | T | | |
| | 15 | V | L | | | | | | \Box | | | 65 | | | | | \Box | | | | | | 115 | | | | | | | | | _ |
| ļ | 16 | L | L | <u> </u> | <u> </u> | <u> </u> | _ | _ | $oxed{\Box}$ | Щ | L | 66 | | Ш | [| | | 1 | | \Box | | | 116 | | \Box | | | | Ш | \Box | | _ |
| | 17 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ـــــ | ┡ | ┞ | <u> </u> | Ц | 1 | 67 | \vdash | Ш | _ | _ | \downarrow | 4 | - | \sqcup | | | 117 | | \sqcup | Ш | | | | _ | _ | _ |
| <u> </u> | 18 19 | \vdash | - | - | ├ | ⊢ | ▙ | ⊢ | ⊢ | | - | 68 | ⊢ | Н | 4 | | | _ | +- | + | | | 118 | <u> </u> | Н | Ш | | | | | _ | _ |
| | 20 | ⊢ | - | ┢ | - | \vdash | | \vdash | \vdash | \dashv | - | 69 70 | ┼ | | \dashv | \dashv | + | + | + | + | | | 119 120 | <u> </u> | Н | | | _ | \vdash | \dashv | \dashv | _ |
| | 21 | | \vdash | \vdash | - | ╁ | \vdash | ┢╌ | - | \dashv | - | 71 | \vdash | | + | -+ | - | + | + | + | | | 121 | ⊢ | Н | \vdash | | | \dashv | \dashv | \dashv | _ |
| _ | 22 | \vdash | | \vdash | - | t | 1 | | | \dashv | | 72 | \vdash | | ┪ | + | \dashv | + | + | \vdash | | | 122 | \vdash | Н | Н | - | _ | Н | | \dashv | |
| | 23 | | | | | | | | | \neg | | 73 | | П | T | \top | | 十 | 十 | \Box | | | 123 | | Н | П | | | _ | 寸 | | |
| | 24 | | | | | | | | | | | 74 | | | | | | | | | | | 124 | | | | | | | | | |
| | 25 | _ | | <u> </u> | L | L | | L | | | | 75 | | | \Box | | | | | Ш | | | 125 | | | | | | | | | |
| ļ | 26 | ļ_ | L | | _ | <u> </u> | <u> </u> | ┞. | Ш | _ | | 76 | <u> </u> | Ш | _ | _ | \perp | ┵ | ↓. | $oxed{oxed}$ | | | 126 | | Ш | | | | | \Box | | |
| <u> </u> | 27 | <u> </u> | L | H | <u> </u> | | - | <u> </u> | Ш | | <u> </u> | 77 | ├ | \vdash | - | 4 | 4 | + | 4. | \dashv | | | 127 | | Ш | | | | Ш | _ | _ | |
| | 28 29 | ┝ | _ | \vdash | - | - | ╀ | - | Н | \mathbf{H} | | 78 79 | - | \dashv | \dashv | | + | | +- | Н | | | 128 | | \vdash | | _ | | Ш | | _ | |
| | 30 | <u> </u> | H | - | - | ┢ | ╁ | ╁╌ | H | \dashv | - | 80 | \vdash | \dashv | \dashv | + | + | + | + | + | | - | 129 130 | _ | \vdash | \dashv | - | _ | | - | \dashv | _ |
| | 31 | - | \vdash | \vdash | - | - | t | Ι- | | | | 81 | - | | - | + | + | + | + | ${f H}$ | | | 131 | | Н | - | - | \dashv | | - | - | |
| | 32 | | | | - | | T | | Н | \neg | | 82 | \vdash | \Box | 寸 | 十 | + | ╅ | 1 | H | | | 132 | _ | Н | | _ | | | \dashv | 7 | _ |
| | 33 | | | | | | | | П | | | 83 | \vdash | | ┪ | 十 | 7 | 1 | \top | П | | | 133 | | H | | | | \neg | \dashv | ┪ | |
| | 34 | | | | | | | | | | | 84 | | | I | | T | \bot | | | | | 134 | | | | | | | ╛ | | _ |
| | 35 | L | L | | | L | L | L | L | \Box | | 85 | П | | Ţ | \bot | \perp | \perp | | \Box | | | 135 | | Ш | | | | | | | |
| <u> </u> | 36 | <u> </u> | <u> </u> | \sqcup | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш | _ | | 86 | Ш | \Box | 4 | | \bot | 4 | 4 | \sqcup | | | 136 | | Ш | Щ | | | | | [| |
| <u> </u> | 37 38 | ļ | ⊢ | \vdash | \vdash | ⊢ | | ├ | - | \dashv | | 87 | \vdash | \dashv | - | + | + | + | +- | ╀┤ | | | 137 | | \sqcup | | _ | _ | | 4 | 4 | |
| | 39 | - | \vdash | \vdash | \vdash | - | ├- | \vdash | \vdash | \dashv | - | 88 89 | ╁ | \dashv | \dashv | + | + | + | + | \dashv | ¦ | | 138 139 | | \vdash | \blacksquare | \dashv | - | | | 4 | |
| | 40 | \vdash | | \vdash | \vdash | - | | \vdash | H | \dashv | - | 90 | \vdash | \dashv | \dashv | + | + | + | + | \vdash | | \dashv | 140 | | \vdash | | \dashv | \dashv | - | \dashv | - | — |
| | 41 | _ | \vdash | Н | \vdash | | 1 | \vdash | Н | \dashv | | 91 | Н | \dashv | \dashv | \dashv | \dashv | + | +- | H | . } | | 141 | _ | H | | - | | | \dashv | ᅥ | |
| | 42 | | | | | Ι | | | П | \neg | | 92 | П | 1 | \dashv | \dashv | \top | + | 1 | H | Ì | | 142 | | \vdash | \dashv | | | | \dashv | ᅥ | _ |
| | 43 | | | | | | | | | | | 93 | | | | | \perp | \perp | | | | | 143 | | | | | | | 丁 | _† | _ |
| | 44 | | | | | | | | | | | 94 | | | \Box | | I | \perp | Ι | | Ì | | 144 | | | | | | | J | | |
| | 45 | | <u> </u> | Ш | L | _ | | <u> </u> | \sqcup | _ | | 95 | Ш | | \perp | | | | | Ш | | | 145 | | \Box | \Box | \Box | \Box | | \Box | \Box | |
| | 46 | <u> </u> | _ | Н | <u> </u> | ├- | <u> </u> | Ш | Н | 4 | | 96 | Ш | \dashv | \dashv | + | 4 | - | 4- | \sqcup | | | 146 | | \sqcup | | _ | _ | | _ | 4 | |
| | 47 48 | | _ | \vdash | <u> </u> | - | | \vdash | $\vdash \vdash$ | \dashv | <u> </u> | 97 98 | \vdash | - | \dashv | + | + | - - | + | \vdash | } | | 147 | | $\vdash \dashv$ | \dashv | \dashv | \dashv | \Box | \dashv | - | |
| | 49 | | | Н | H | - | - | - | Н | \dashv | - | 98 | \vdash | | \dashv | + | + | + | + | ╁┤ | ł | | 148 149 | | $\vdash \vdash$ | | - | \dashv | \dashv | \dashv | - | |
| | 50 | _ | | H | _ | Ι- | \vdash | H | \vdash | \dashv | - | 100 | \vdash | \dashv | 十 | + | + | + | + | H | ł | | 150 | \vdash | $\vdash \vdash$ | \dashv | \dashv | - | - | \dashv | ┥ | |
| | ~ | | <u> </u> | | لـــــا | | | 1 | | | Ł | | 1 | 1 | ı | 1 | - 1 | - 1 | 1 | 1 1 | - 1 | ı | 100 | | ıl | | - 1 | - 1 | | - 1 | - 1 | |